and Method

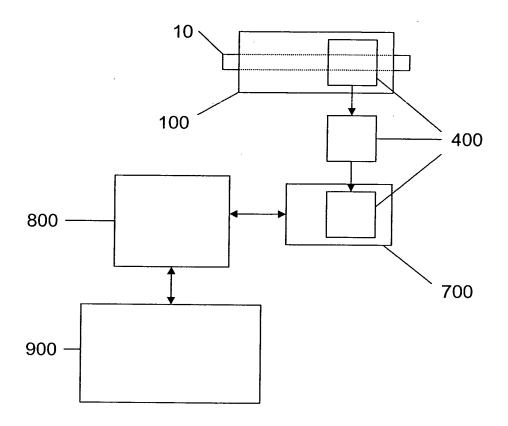


Figure 1

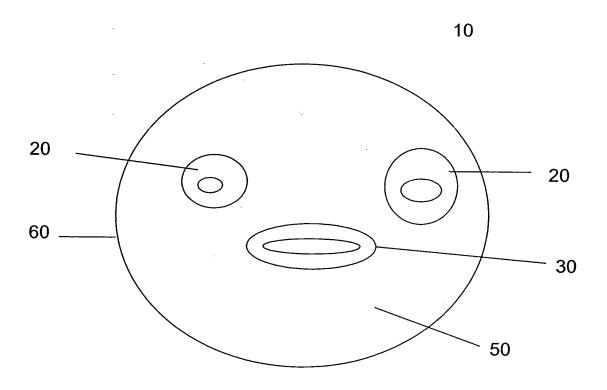


Figure 2

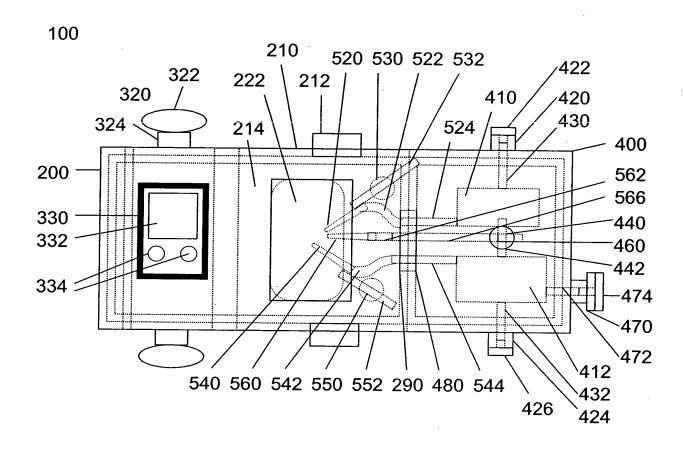


Figure 3

and Method

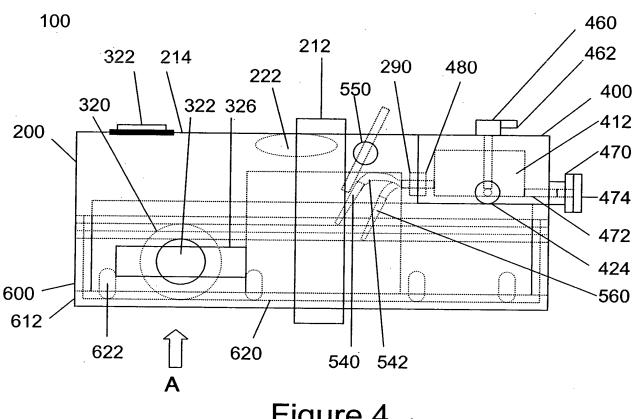


Figure 4

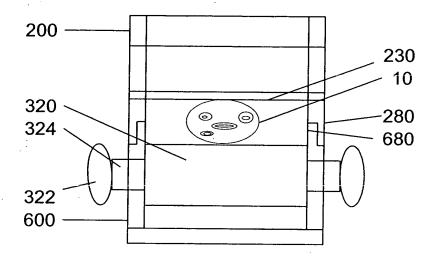


Figure 5A

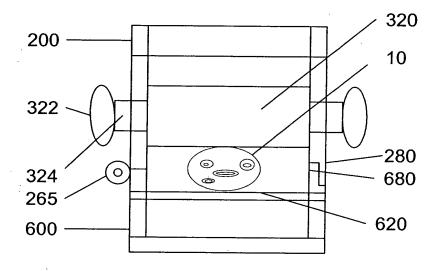


Figure 5B

and Method

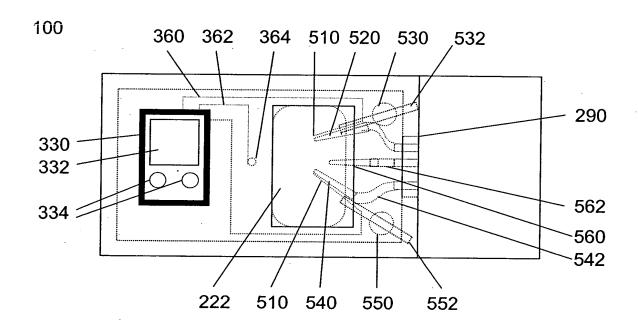


Figure 6

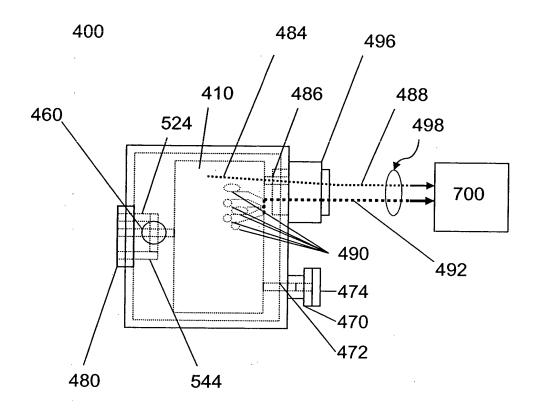


Figure 7

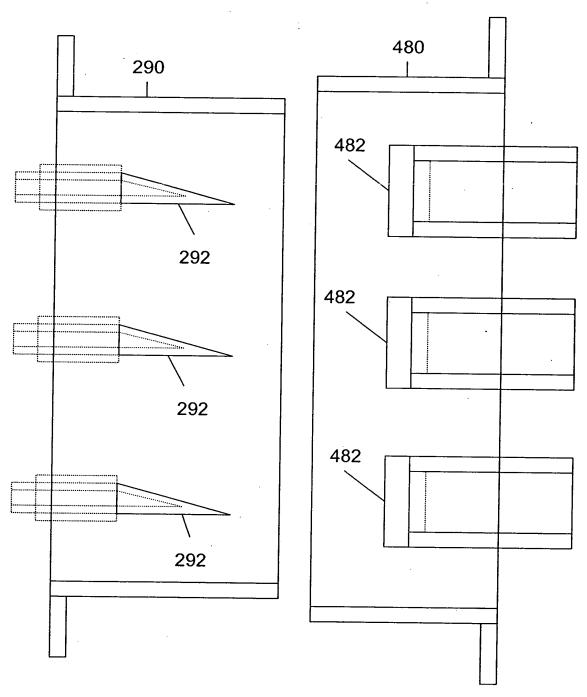


Figure 8

Docket No.: 302490.3000-100 Inventors: Michael J. Bellucci, et al., Title: Umbilical Cord Sampling System and Method 480 412 424

Figure 9

Providing an umbilical cord sampling device having at least one sampling needle operatively connected to at least one sampling reservoir

Placing an umbilical cord segment in the umbilical cord sampling device

Penetrating a fluid-containing compartment of the umbilical cord segment with a sampling needle

Collecting the fluid in a sampling reservoir

Analyzing the collected fluid to determine the values of physiologically relevant parameters

Figure 10